

PURCELLVILLE PUBLIC SAFETY CENTER - PLANT SCHEDULES

STREETSCAPING									
KEY/BOTANICAL NAME	COMMON NAME	CULTIVARS	HEIGHT	CALIPER	REMARKS	# PROVIDED	REQUIRED	PLANTS	
Canopy Trees									
Bc	Acer truncatum	Purpleblow Maple	Pacific Sunset	15'	3"	B&B	6		
Bn	Betula nigra	River Birch	Heritage	15'	3"	B&B	7		
Up	Liriodendron tulipifera	Lacebark Elm	Athena	16'	3"	B&B	7		
Ornamental Trees									
Aa	Cercis canadensis	Redbud	N/A	8'	-	B&B	7		
Cf	Cornus florida	Dogwood	Cherokee Prince	8'	-	B&B	7		
							34	34	

REQUIREMENT:
1 Landscape tree / 40' frontage
Frontage = 1329 lf

PERIMETER PARKING LOT LANDSCAPING - LOT A									
KEY/BOTANICAL NAME	COMMON NAME	CULTIVARS	HEIGHT	CALIPER	REMARKS	# PROVIDED	REQUIRED	PLANTS	
La	Liquidambar styraciflua	Sweet Gum	Rotundiloba	12'	2.5"		2		
Ar	Acer rubrum	Red Maple	October Glory	12'	2.5"		1		
							3	3	
Shrubs									
Ea	Eucorymus anathus	Burning Bush	N/A	2'	-		8		
							8	8	

REQUIREMENT:
1 tree per 40' frontage
Frontage = 97 lf

REQUIREMENT:
3 shrubs per 40' frontage
Frontage = 97 lf

PERIMETER PARKING LOT LANDSCAPING - LOT B									
KEY\BOTANICAL NAME	COMMON NAME	CULTIVARS	HEIGHT	CALIPER	REMARKS	# PROVIDED	REQUIRED	PLANTS	
Canopy Trees									
La	Liquidambar styraciflua	Sweet Gum	Rotundiloba	12	2.5"		5		
Ar	Acer rubrum	Red Maple	October Glory	12	2.5"		12	7	
							21		
Shrubs									
Ea	Eucorymus anathus	Burning Bush	N/A	2'	-		21	10	
							21		19

REQUIREMENT:
3 shrubs per 40' frontage
Frontage = 248 lf

INTERIOR PARKING LOT LANDSCAPING: LOT A

Total parking spaces < 10 - No interior parking lot landscaping required

INTERIOR PARKING LOT LANDSCAPING: LOT B							PLANTS	
KEY/BOTANICAL NAME	COMMON NAME	CULTIVARS	HEIGHT	CALIPER	REMARKS	# PROVIDED	REQUIRED	
Canopy Trees								
Cr	Quercus rubra	Red Oak	Splendens	12'	2.5"		4	
Gd	Gymnocladus dioica	Kentucky Coffee tree	Espresso	12'	2.5"		2	
La	Liquidambar styraciflua	Sweet Gum	Rotundiloba	12'	2.5"		3	
Ar	Acer rubrum	Red Maple	October Glory	12'	2.5"		3	
						10	4	
Shrubs								
Bj	Barberis julinae	Wintergreen Barberry	N/A	2'	-		10	
Cp	Japanese false cypress	Chamaecyparis pisifera	N/A	2'	-		8	
						18	12	

REQUIREMENT:
1 Canopy Tree / 10 parking spaces
Parking Spaces = 40

REQUIREMENT:
3 Shrubs / 10 parking spaces

Minimum Landscape Area		LOT AREA (sf)	LANDSCAPE AREA (sf)	PROVIDED	REQUIRED
				1353	
				887	
				524	
				176	
				592	
				3047	3379
				1521	

WO&D BUFFER:					BUFFER		
BUFFER AREA COMPUTATION					LENGTH (ft)	WIDTH (ft)	AREA (sf)
					1177	30	35310

KEY/BOTANICAL NAME	COMMON NAME	CULTIVARS	HEIGHT	CALIPER	REMARKS	# PROVIDED	REQUIRED
Canopy Trees							
Cr	Quercus rubra	Red Oak	Splendens	12'	2.5"	B&B	25
La	Liquidambar styraciflua	Sweet Gum	Rotundiloba	12'	2.5"	B&B	24
Ar	Acer rubrum	Red Maple	October Glory	12'	2.5"	B&B	22
							71
Ornamental Trees							
Aa	Amenlaechar arborea	Downy Serviceberry	Autumn Brilliance	6'	-	B&B/CONT	27
Ag	Acer griseum	Paperbark Maple	N/A	6'	-	B&B/CONT	21
Cf	Cornus florida	Dogwood	Cherokee Prince	6'	-	B&B/CONT	23
							71
Evergreen Trees							
Cl	K. Cupressocyparissia	Weyland Cypress	N/A	8'	Full Branching	B&B	35
Pg	Picea glauca	White Spruce	N/A	8'	Full Branching	B&B	35
							71

REQUIREMENT:
1 Canopy Tree / 500sf buffer area
Buffer Area = 35,310 sf

REQUIREMENT:
1 Ornamental Tree / 500sf buffer area
Buffer Area = 35,310 sf

REQUIREMENT:
1 Evergreen Tree / 500sf buffer area
Buffer Area = 35,310 sf

REQUIREMENT:
1 Shrub / 100sf buffer area
Buffer Area = 35,310 sf

PLANT SCHEDULE - BIO-RENTION # 1									
KEY	BOTANICAL NAME	COMMON NAME	CULTIVARS	HEIGHT	CALIPER	REMARKS	# PROVIDED	REQUIRED	
Canopy Trees									
Cr	Quercus rubra	Red Oak	Splendens	12'	2.5"		1		
Ar	Acer rubrum	Red Maple	October Glory	12'	2.5"		2		
Gd	Gymnocladus dioica	Kentucky Coffeetree	Espresso	12'	2.5"		1		
							Total	4	4
Shrubs									
Bj	Barberis julioae	Wintergreen Barberry	N/A	2'	-		CONT	4	
Bd	Buddleia davidii	Butterfly Bush	N/A	2'	-		CONT	4	
Cp	Japanese falsecypress	Chamaecyparis pisifera	N/A	2'	-		CONT	4	
							Total	9	8-12

PLANT SCHEDULE - BIORENTION # 2									
KEY	BOTANICAL NAME	COMMON NAME	CULTIVARS	HEIGHT	CALIPER	REMARKS	# PROVIDED	REQUIRED	
Canopy Trees									
Cr	Quercus rubra	Red Oak	Splendens	12'	2.5"		1		
Ar	Acer rubrum	Red Maple	October Glory	12'	2.5"		1		
Gd	Gymnocladus dioica	Kentucky Coffee tree	Espresso	12'	2.5"		1		
							Total	3	3
Shrubs									
Bj	Barberis julinae	Wintergreen Barberry	N/A	2'			3		
Bd	Buddleia davidii	Butterfly Bush	N/A	2'	-	CONT	2		
Cp	Japanese falsecypress	Chamaecyparis pisifera	N/A	2'			3		
							Total	8	6-9

PLANT SCHEDULE - BIORENTION # 3									
KEY	BOTANICAL NAME	COMMON NAME	CULTIVARS	HEIGHT	CALIPER	REMARKS	# PROVIDED	REQUIRED	
Canopy Trees									
Cr	Quercus rubra	Red Oak	Splendens	12'	2.5"		2		
Ar	Acer rubrum	Red Maple	October Glory	12'	2.5"		4		
Gd	Gymnocladus dioica	Kentucky Coffeetree	Espresso	12'	2.5"		1		
							Total	7	7
Shrubs									
Bj	Barberry julinae	Wintergreen Barberry	N/A	2'	-		CONT	12	
Bd	Buddleia davidii	Butterfly Bush	N/A	2'	-		CONT	3	
Cp	Japanese falsecypress	Chamaecyparis pisifera	N/A	2'	-		CONT	5	
							Total	20	14-21

ADDITIONAL LANDSCAPING (Not counted toward streetscaping, perimeter parking, exterior parking, or WO&D buffer)									
KEY/BOTANICAL NAME	COMMON NAME	CULTIVARS	HEIGHT	CALIPER	REMARKS	# PROVIDED	REQUIRED		
Canopy Trees									
Cr	Quercus rubra	Red Oak	Splendens	12'	2.5"		2		
La	Liquidambar styraciflua	Sweet Gum	Rotundiloba	12'	2.5"	B&B/CONT	4		
Ar	Acer rubrum	Red Maple	October Glory	12'	2.5"		5		
Gd	Gymnocladus dioica	Kentucky Coffeetree	Espresso	12'	2.5"		3		
						Total	14	n/a	
Shrubs									
Bj	Barberry julinae	Wintergreen Barberry	N/A	2'	-		3		
Cp	Japanese falsecypress	Chamaecyparis pisifera	N/A	2'	-		5		
						Total	8	n/a	

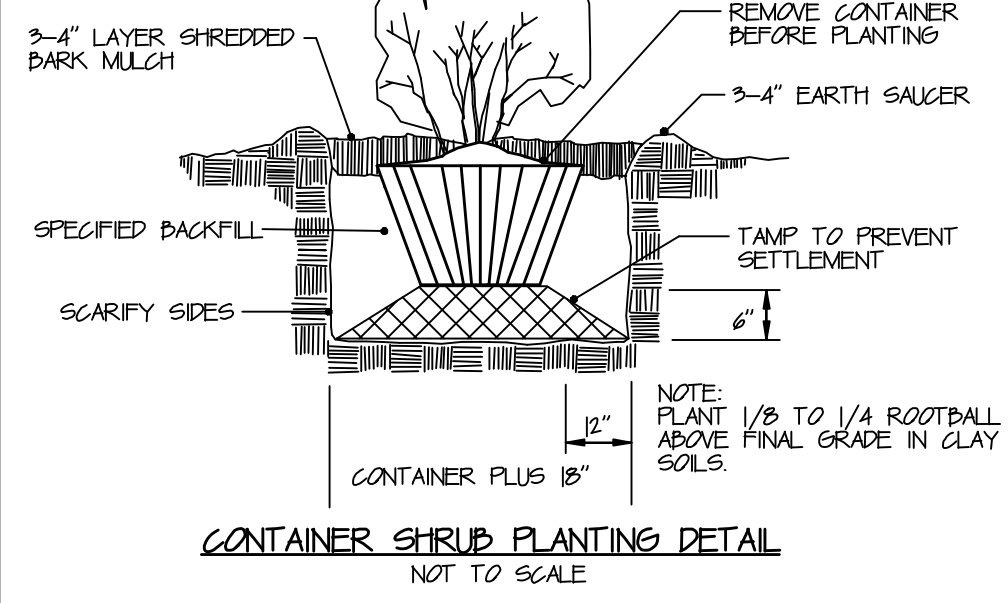
Total Pavement Area
Open Space

1.63 acres or
2.48 acres or

71,172
108,545

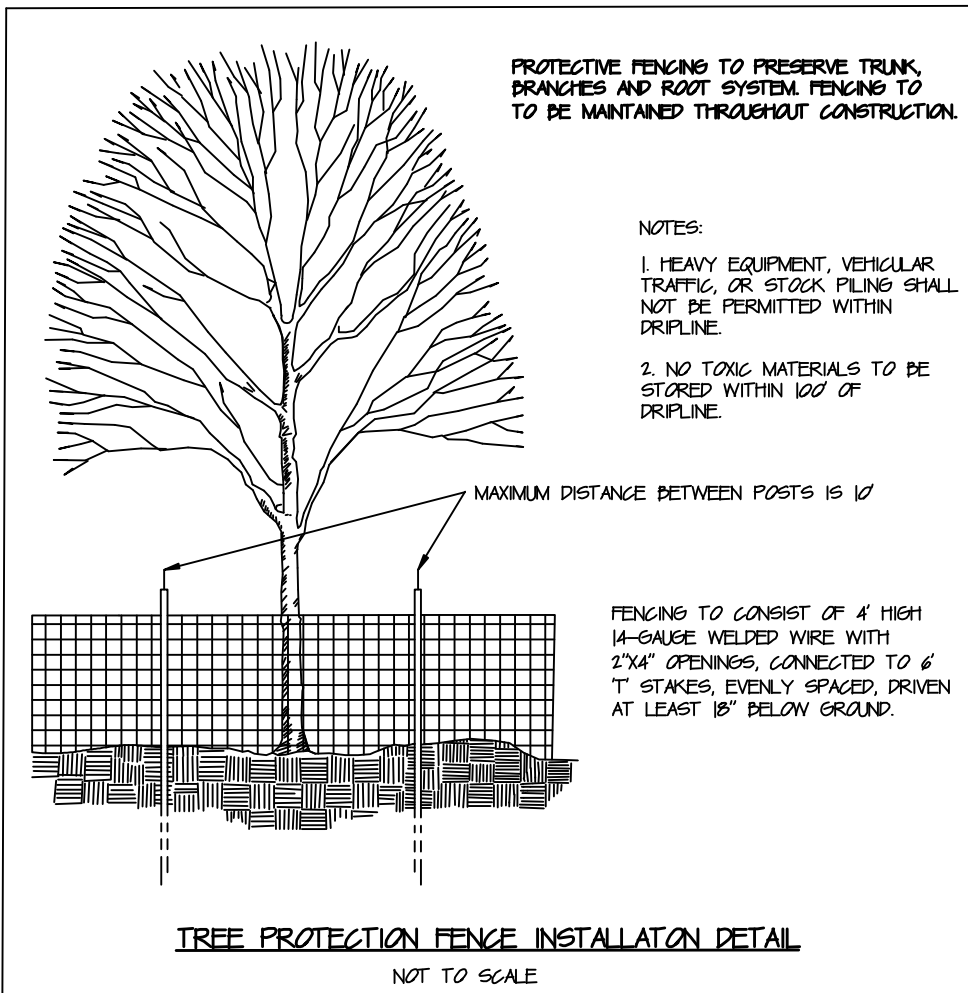
71,172
108,545

sf
sf



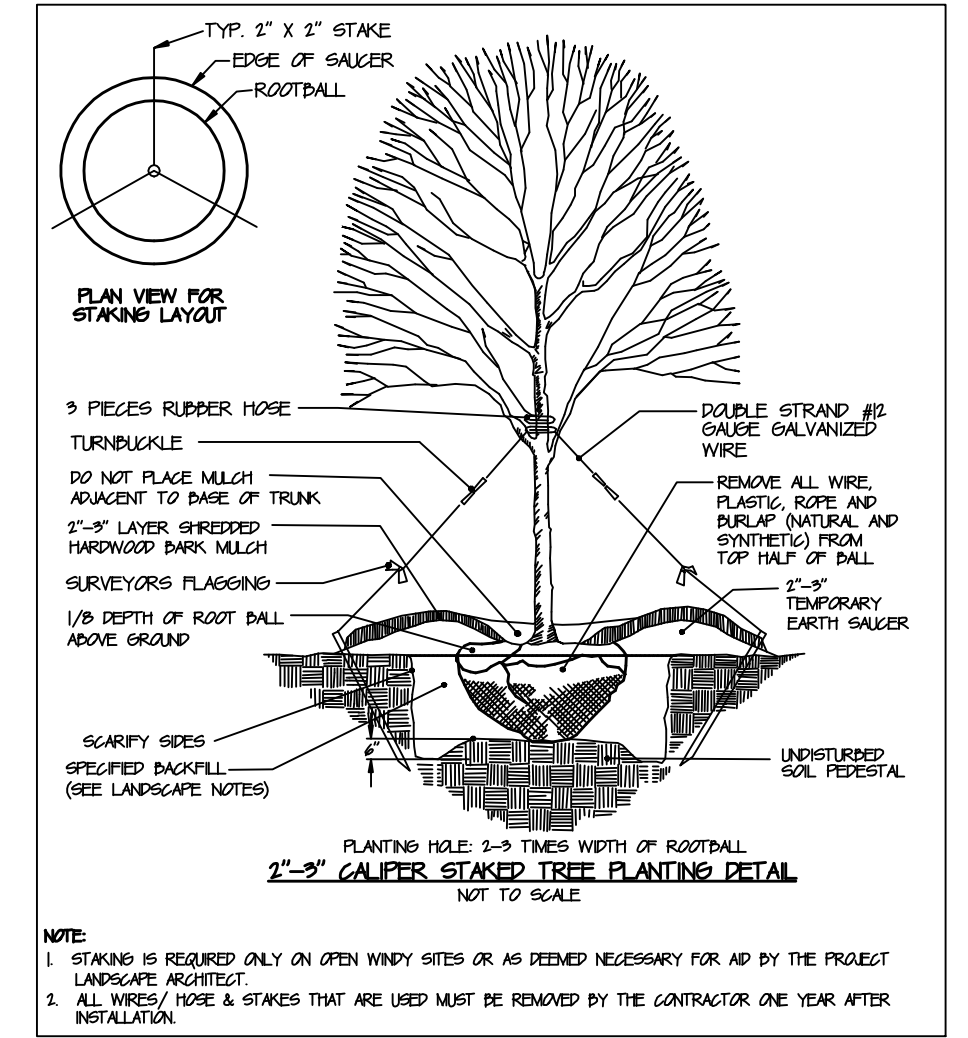
CONTAINER SHRUB PLANTING DETAIL

NOT TO SCALE



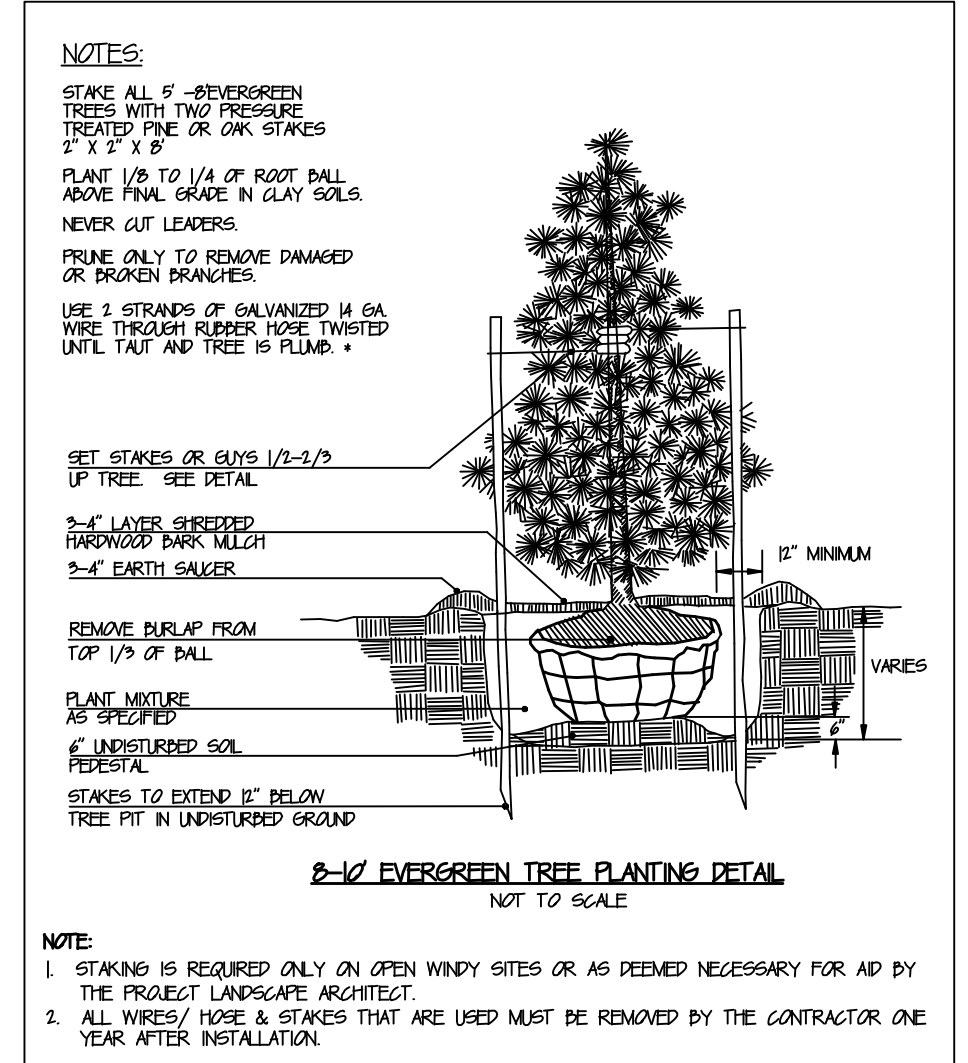
TREE PROTECTION FENCE INSTALLATION DETAIL

NOT TO SCALE



2-3" EVERGREEN TREE PLANTING DETAIL

NOT TO SCALE



2-1/2" EVERGREEN TREE PLANTING DETAIL

NOT TO SCALE

LANDSCAPE INSTALLATION SPECIFICATIONS

- ALL PLANT MATERIAL SHALL CONFORM TO CURRENT AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARDS
- BALLED AND BURLAPPED PLANTS SHALL BE DUG WITH FIRM NATURAL BALLS OF EARTH. BALL SIZES SHALL CONFORM TO CURRENT AMERICAN ASSOCIATION OF NURSERYMEN'S STANDARDS. CONTAINER GROWN STOCK SHALL BE WELL ROOTED AND ESTABLISHED IN THE CONTAINER IN WHICH IT IS SOLD. AN ESTABLISHED CONTAINER GROWN PLANT SHALL HAVE A ROOT SYSTEM DEVELOPED SUFFICIENTLY TO RETAIN ITS SHAPE WHEN REMOVED.
- ALL PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS OTHERWISE SPECIFIED. NO PRUNING SHALL BE DONE BEFORE PLANTING OR DURING THE PLANTING OPERATION EXCEPT FOR PRUNING OF BROKEN LIMBS DUE TO HANDLING.
- ALL PLANT MATERIAL SHALL BE COVERED AND PROTECTED FROM EXCESSIVE DRYING DURING TRANSIT AND DURING ON-SITE STORAGE. ROOTBALLS/ CONTAINERIZED PLANTS ARE TO BE THOROUGHLY WATERED DAILY IN THE MORNING. UNDER NO CIRCUMSTANCES ARE TREES TO BE STORED ON-SITE FOR MORE THAN ONE WEEK.
- ANTI-DESICCANTS SHALL BE APPLIED ON ALL MATERIAL DUG WHILE IN LEAF.
- MULCH MATERIAL SHALL BE SHREDDED HARDWOOD BARK.
- PLANTING BACKFILL MIXTURE SHALL BE THREE PARTS EXISTING TOPSOIL MIXED EVENLY WITH ONE PART SPHAGNUM PEAT MOSS, LEAFLOAM, OR SIMILAR MARKETED ORGANIC MIX. EXISTING TOPSOIL SHALL BE FREE OF STONES, LIMPS, PLANTS, ROOTS, AND OTHER DEBRIS OVER 1 INCHES. IT SHALL NOT CONTAIN TOXIC SUBSTANCES HARMFUL TO PLANT GROWTH. TOPSOIL SHALL HAVE A PH RANGE OF 5.0 TO 7.0.
- PLANTING PROCEDURES FOR TREES AND SHRUBS:
 - PLANTING SHALL OCCUR IN ACCORDANCE WITH ALL DETAILS.
 - REMOVE ALL TAGS, RIBBONS AND BINDING MATERIALS BEFORE PLANTING.
 - TREES AND SHRUBS SHALL BE PLACED IN THE PLANTING PIT, AND MANEUVERED ONCE IN IT, BY LIFTING FROM THE BALL (NEVER FROM THE BRANCHES OR TRUNK). ALL PLANT MATERIAL SHALL BE PLACED IN A STRAIGHT POSITION WITHIN THE PLANTING PIT WITH THE MOST DESIRABLE SIDE PLACED TOWARD THE PROMINENT VIEW (SIDEWALK, STREET, ETC.).
 - THE TREE OR SHRUB PIT SHALL BE BACKFILLED WITH A SOIL MIXTURE, AS PER #7 OF THESE SPECS. THE PIT SHALL BE FILLED HALFWAY INITIALLY AND TAMPED FIRMLY. ALL ROPES AROUND THE ROOTBALL SHALL BE CUT, TAGS ARE TO BE REMOVED (AND GIVEN TO THE CLIENT). WIRE BASKETS ARE TO BE CUT/ REMOVED HALF OF THE DEPTH OF THE BALL, AND THE BURLAP OR BALL WRAP IS TO BE PULLED BACK ONE-THIRD ON ALL BALL PLANT MATERIAL. COMPLETE BACKFILLING THE PLANT PIT AND TAMP FIRMLY. BACKFILL SOILS SHALL NOT COVER THE TOP OF THE ROOTBALL. MULCH THE ROOTBALL AND SALKER WITH A MINIMUM OF 3" SHREDDED HARDWOOD OR PINE DARK MULCH. TAPER THE MULCH TO THE BASE OF THE TRUNK. UNDER NO CIRCUMSTANCES IS THE TRUNK TO BE BURIED IN ANY DEPTH OF MULCH. IF NOTICED IN A POST-CONSTRUCTION VISIT, CONTRACTOR CAN BE ASKED TO RE-VISIT THE SITE AND FIX THE MULCH ACCORDINGLY.
 - A SOIL INOCULANT CONTAINING MYCORRHIZAE, AND ROOT BIOSTIMULANTS SHALL BE ADDED AFTER COMPLETION OF THE BACKFILLING.

GENERAL LANDSCAPING NOTES:

- THIS PLAN FOR PLANTING LOCATIONS ONLY.
- CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL PLANT MAINTENANCE, INCLUDING SHRUBS AND GRASSCOVER, AND SHALL MAINTAIN AREA IN A WEED- AND DEBRIS-FREE CONDITION, THROUGHOUT THE ONE YEAR GUARANTEE PERIOD.
- CONTRACTOR SHALL LAY OUT AND CLEARLY STAKE ALL PROPOSED IMPROV